

# FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

\_\_\_\_\_

Location Map Pinned

✓

Card Indexed

✓

IWR for State or Fee Land

\_\_\_\_\_

Checked by Chief

ALS

Copy NID to Field Office

\_\_\_\_\_

Approval Letter

✓

Disapproval Letter

\_\_\_\_\_

## COMPLETION DATA:

Date Well Completed

4-5-61

Location Inspected

\_\_\_\_\_

OW X

VW \_\_\_\_\_

TA \_\_\_\_\_

Bond released

\_\_\_\_\_

GW \_\_\_\_\_

OS \_\_\_\_\_

PA \_\_\_\_\_

State of Fee Land

\_\_\_\_\_

## LOGS FILED

Driller's Log

4-17-61

Electric Logs (No. )

2

E \_\_\_\_\_

I \_\_\_\_\_

E-I \_\_\_\_\_

GR \_\_\_\_\_

GR-N \_\_\_\_\_

Micro \_\_\_\_\_

Lat \_\_\_\_\_

M-L \_\_\_\_\_

Sonic \_\_\_\_\_

Others

Guard Log

Acoustic Velocity Log

# THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

## ROCKY MOUNTAIN PRODUCING DIVISION

~~MOAB, UTAH~~

~~NEW YORK, NEW YORK~~

P. O. Box 265

Moab, Utah

January 26, 1961

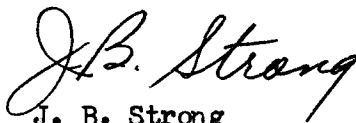
Mr. Cleon B. Feight, Secretary  
Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Dear Mr. Feight:

Enclosed in duplicate, with plats attached,  
is Notice of Intention to drill Northwest Lisbon  
USA-E No. 1, located in the NW SE, Sec. 15, 30S,  
24E, San Juan County, Utah.

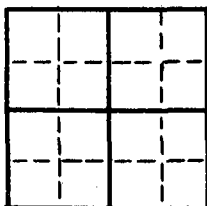
Yours very truly,

THE PURE OIL COMPANY



J. B. Strong  
District Chief Clerk

Encl: (2)



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

Fee and Patented.....☐  
State .....☐  
Lease No. ....  
Public Domain .....☒  
Lease No. U-015269  
(8028)  
Indian .....☐  
Lease No. ....

Sec. 15 - See Location Plat Attached.

## SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well..... ..... .....	<input checked="" type="checkbox"/>          	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History..... ..... .....
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 26, 1961

Northwest Lisbon USA-WE

Well No. 1 is located 1395 ft. from {M} line and 1390 ft. from {E} line of Sec. 15

SE NW SE Sec. 15  
(1/4 Sec. and Sec. No.)

30S  
(Twp.)

24E  
(Range)

S.L.M.  
(Meridian)

Lisbon  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is ..... feet. Will be furnished later

A drilling and plugging bond has been filed with U. S. Government

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

#### Proposed Casing Program:

35' - 16" OD conductor (Cemented to surface)  
 1050' - 10-3/4" OD surface casing (Cemented to surface)  
 9200' - 5-1/2" OD production string (Approx. 200 sax)

Principal objective is the Mississippian.

Estimated Total Depth - 9200'.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By

Title

*J. B. Strong*  
J. B. Strong  
District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

# THE PURE OIL COMPANY LOCATION REPORT

Date January 19, 1961A.F.E. No. 4404Division Northern Producing Prospect Four Corners (N.W. Lisbon) District U.S.A. (Utah 015269)Acres 320 Lease No. 8028 Elevation \_\_\_\_\_ Well No. 1 (Serial No. \_\_\_\_\_)Quadrangle NW SE Sec. 15 Twp. 30S Rge. 24E Blk. Dist. Twp. \_\_\_\_\_Survey Salt Lake Meridian County San Juan State UtahOperator The Pure Oil Company Map Utah 1-4

1395 Feet North of the South line of Section  
1390 Feet West of the East line of Section

Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_  
 Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_

## LEGEND

○ Location

☼ Gas Well

● Oil Well

☼ Gas—Distillate Well

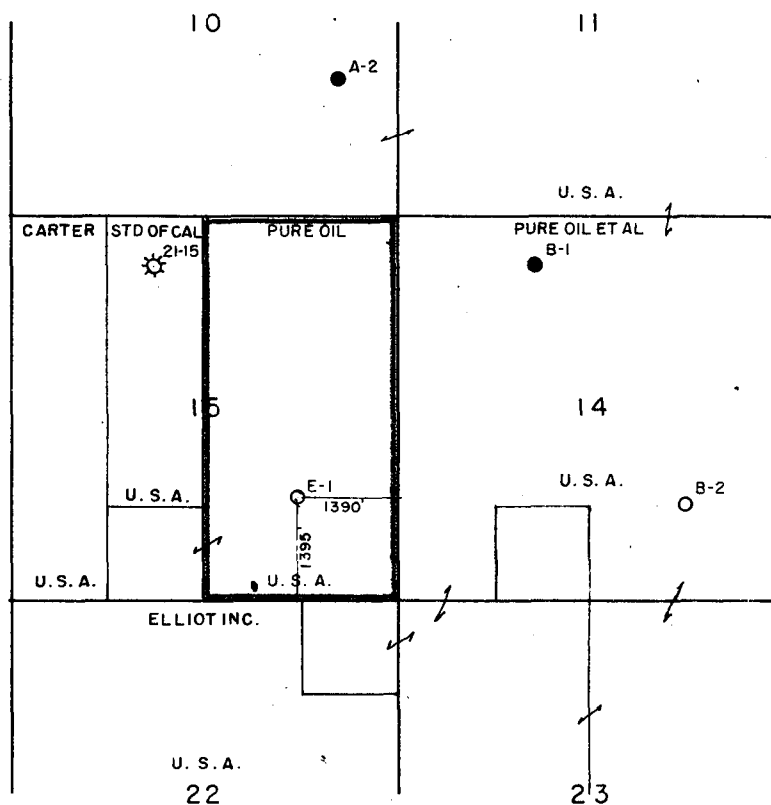
○ or ○ Dry Hole

☼ Abandoned Location

☼ or ☼ Abandoned Gas Well

● or ● Abandoned Oil Well

● or ○ Input Well



Remarks: \_\_\_\_\_

Submitted by Rex Fendick

Civil Engineer

Approved by \_\_\_\_\_

Division Manager

Approved by \_\_\_\_\_

Vice-President—General Manager

January 27, 1961

The Pure Oil Company  
P. O. Box 265  
Moab, Utah

Attn: J. B. Strong, Dist. Chief Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Northwest Lisbon USA "E" 1, which is to be located 1395 feet from the south line and 1390 feet from the east line of Section 15, Township 30 South, Range 24 East, S1E1M, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE SECRETARY

CBF:avg

cc: Jerry W. Long, Dist. Eng.  
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

Budget Bureau No. 42-R356.1  
Approval expires 12-31-60.

LAND OFFICE **Salt Lake City**  
LEASE NUMBER **USA U-015269**  
UNIT \_\_\_\_\_

State Utah County San Juan Field Lisbon

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed *[Signature]*

Phone Alpine 3-3581 Agent's title District Chief Clerk

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

**No** runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



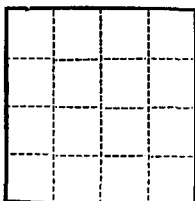
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. USA U-015249

Unit \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 13, 1961

NW Lisbon USA-E

Well No. 1 is located 1395 ft. from [S] line and 1390 ft. from [E] line of sec. 15

NW SE Sec. 15  
(4 Sec. and Sec. No.)

30-S  
(Twp.)

24-E  
(Range)

S. 1. N.  
(Meridian)

Lisbon  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 6188 ft.

KB elevation is 6200 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Halliburton DET No. 1, 8426'-8456', Mississippian. Tool open one hour, opened with a very weak blow, died in 5 minutes. Recovered 5' of drilling mud. Pressures: IN 4595, 30 minute ICI 70, IF 50, FF 50, 30 minute FCI 50, FH 4525.

Halliburton DET No. 2, 8456'-8485', Mississippian. Tool open 6-1/2 hours, opened with strong blow. Gas to surface in 3 minutes, mud to surface in 40 minutes, oil to surface in 55 minutes. Gas metered at rate of 607 MCF/D, oil at rate of 425 bbls per day on 5 hour test. Gravity of oil 53.0. Pressures: IN 4530, 30 minute ICI 2890, IF 535, FF 788, 30 minute FCI 2575, FH 4480. Bottom Hole Temperature 140°.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By

J. B. Strong

Title District Chief Clerk



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R-5561  
Approval expires 12-31-60.

LAND OFFICE Salt Lake City  
LEASE NUMBER USA U-015269  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Northwest Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1961,

Agent's address P. O. Box 265 Company The Pure Oil Company  
Moab, Utah Signed J. Strong

Phone Alpine 3-3581 Agent's title District Chief Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SE Sec. 15 NW Lisbon	30S	24E	1	-0-						Drilled 6422' - 8396'. Cored to 8778'. DST #1 - 8426'-8456' - Miss. DST #2 - 8456'-8485' - Miss. DST #3 - 8485'-8515' - Miss. Drilled to TD 9037'. Drilling completed 1:00 a.m. 3-27-61. Ran electric logs. Set 5-1/2" OD casing at 9037'. Cemented in two stages. 1st Stage: 9029-8355 with 200 sac 50-50 Pozmix with 4% gel and 1# Halad No. 9 per sack. 2nd Stage: 8330-2100 (2100' is calculated top of cement) with 1500 sac 50-50 Pozmix with 6% gel and 23.7% salt per sack. Drilled out cement to 8975'. Ran gamma ray neutron and collar logs 8200-8975. Perforated 5-1/2" OD casing 8730-8740, 4 shots per foot, with 4" E gun, 15/32" bullets. Acidized above perforations with 1000 gals. low tension non-emulsifying acid.

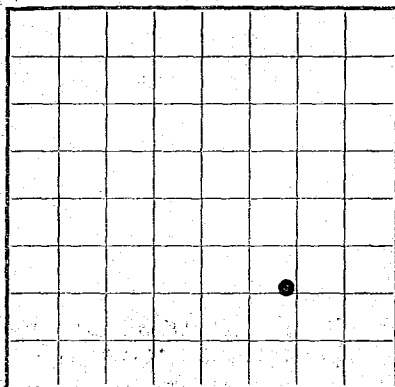
NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-330

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER USA U-015269  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address P. O. Box 265 - Moab, Utah  
Lessor or Tract U. S. Government Field NW Lisbon State Utah  
NW Lisbon USA-E Well No. 1 Sec. 15 T. 30S R. 24E Meridian Salt Lake County San Juan KB 6200'  
Location 1395 ft. N of S Line and 1390 ft. E of E Line of NW SE Elevation Gr. 6188'  
EX (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

*J. B. Strong JR*

Date April 14, 1961

Title District Chief Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling January 31, 1961 Finished drilling March 27, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8470' to 8672' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
16"	65#	8-R	SS	32'	Coupling				Cemented to surface.
10-3/4"	40.5 & 15.5#	8-R	SS	1021'	Float				"
5-1/2"	17#	8-R	SS	9037'	Float		8470'	8672'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	32'	57 sx	Halliburton		
10-3/4"	1021'	525 sx	Halliburton		
5-1/2"	9037'	1700 sx	Halliburton		

5-17/2" 9037' 1700' 82 Halliburton

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

Test: ..... , 19..... Put to producing ..... , 19.....

April 5, 61 The production for the first 24 hours was 1044 barrels of fluid of which April 5, 61 100% was oil; ..... %  
 emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. 54.1

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

Tubing  
xxx

1000

## EMPLOYEES

....., Driller ..... , Driller

....., Driller ..... , Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	32'	32'	Surface.
32'	190'	158'	Sand.
190'	2793'	2603'	Sand and shale.
2793'	3196'	403'	Lime and shale.
3196'	3339'	143'	Lime.
3339'	3830'	491'	Lime, shale and sand.
3830'	4035'	205'	Sand and shale.
4035'	4330'	295'	Lime.
4330'	4571'	241'	Salt and shale.
4571'	5093'	522'	Salt, sand and shale.
5093'	6422'	1329'	Salt.
6422'	6925'	503'	Salt with shale stringers.
6925'	7425'	500'	Salt.
7425'	8341'	916'	Salt with shale stringers and shale and lime.
8341'	8396'	55'	Lime and shale.
8396'	8456'	60'	Core No. 1 - See reverse side.
8456'	8485'	29'	Core No. 2 - See reverse side.
8485'	8505'	20'	Core No. 3 - See reverse side.
8505'	8515'	10'	Lime.
8515'	8531'	16'	Core No. 4 - See reverse side.
8531'	8551'	20'	Core No. 5 - See reverse side.
8551'	8575'	24'	Limestone.
8575'	8695'	120'	Lime and shale.
8695'	8730'	35'	Core No. 6 - See reverse side.
8730'	8766'	36'	Core No. 7 - See reverse side.

[OVER]

16-43094-4

APR 17 1961

- 3.5' - Limestone, dark gray, fine xln, dense, very few random fracs, bleeding.
- 1' - Limestone, as above, fair vuggy porosity.
- 6' - Limestone, gray-dark gray, fine xln, dense, few random fracs, bleeding.
- .5' - Shale, greenish gray, waxy.

Core No. 6      8695' - 8730'      Cut 35'      Rec. 32'

- 9' - Dolomite, gray, fine xln, fair inter-xln and fractured porosity, bleeding, few large vugs filled with calcite.
- 2' - Dolomite, gray, fine xln, dense, no fracs or porosity.
- 2' - Dolomite, gray, fine xln, few fracs and pin point porosity, bleeding.
- 9' - Limestone, dolomitic, dark gray, fine xln, dense, very few random fracs.
- 10' - Limestone, dolomitic, gray, fine xln, dense, few fracs, little pin point porosity, bleeding. Bottom 4' very badly broken.

### HISTORY OF OIL OR GAS WELL

16-43094-2

U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Core No. 7      8730' - 8766'      Cut 36'      Rec. 25'

- 9' - Dolomite, dark gry, fine xln, dense, poor pin point porosity and fracs bleeding oil.
- 1' - Dolomite, gry-tan, fine xln, dense, few tight hairline fracs bleeding.
- 7' - Dolomite, dark gry, fine xln, dense, little pin point porosity and few fracs bleeding oil.
- 3' - Dolomite, dark gry, fine xln, dense, very badly broken from 8749' - 8750'.
- 1' - Dolomite, calcareous, gry, fine xln, fair vuggy porosity bleeding water or oil.
- 4' - Dolomite, calcareous, gry, fine xln, dense, bottom 2' badly broken.

Core No. 8      8766' - 8778'      Cut & Rec. 12'

- 5' - Limestone, brown-light bry-shaly, fine xln, dense, few hairline fracs, bottom 2' open vertical fracs.
- 5' - Dolomite, calcareous, gry, fine xln, trace of pin point porosity, slight bleeding water, tight fracs.
- 2' - Limestone, breccia, cherty pebbles with gry shale throughout.

Halliburton DST No. 1, 8426'-8456', Mississippian. Tool open one hour. Opened with a very weak blow, died in 5 minutes. Rec. 5' of drilling mud. Pressures: IH 4595, 30 minute ICI 70, IF and FF 50, 30 minute FCI 50, FH 4525.

Halliburton DST No. 2, 8456'-8485', Mississippian. Tool open 6-1/2 hours, opened with strong blow. Gas to surface in 3 minutes, mud to surface in 40 minutes, oil to surface in 55 minutes. Gas metered at rate of 607 MCF/D, oil at rate of 425 bbls per day on 5 hour test. Gravity 53.0. Pressures: IH 4530, 30 minute ICI 2890, IF 535, FF 788, 30 minute FCI 2575, FH 4480. Bottom hole temperature 140°.

Halliburton DST No. 3, 8485'-8515', Mississippian. Tool open 23 hours. Opened with good blow. Gas to surface in 2 minutes, oil to surface in one hour and 55 minutes. Gas metered at rate of 1020 MCF/D, oil at rate of 658 bbls per day (27.44 bbls per hour). GOR 1550 cfpb. ~~nonconforming~~ Pressures: IH 4595, no ICI, IF 860, 23 hour FF 1716, 30 minute FCI 2950, FH 4560. Bottom hole temperature 138°.

SEE ATTACHED SHEET FOR ADDITIONAL DATA.

## FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
8766'	8778'	12'	Core No. 8 - See below.
8778'	8797'	19'	Lime.
8797'	9037'	240'	Lime and shale.
		9037'	TOTAL DEPTH
<u>Core No. 1</u>	8396' - 8456'	Cut & Rec. 60'	
6'	- Shale, purple.		
18'	- Shale, <del>maroon</del> maroon and purple, slightly calcareous.		
11'	- Shale, red-brown.		
25'	- Limestone, gry, fine xln, dense, with few thin green shale partings, very few random fractures, tight, no visible porosity.		
<u>Core No. 2</u>	8456' - 8485'	Cut 29'	Rec. 28-1/2' (Barrel Jammed)
1'	- Limestone, gry, fine xln, dense.		
1'	- Limestone, braccia, with waxy shale streaks.		
11'	- Limestone, gray, fine xln, dense, few fractures filled with green shale, very slight <del>excess</del> porosity.		
7'	- Limestone, gray, fine xln, dense, fracs partly open bleeding gas, good odor.		
2'	- Limestone as above, badly fractured, slightly bleeding, good odor.		
6.5'	- Limestone, gray, fine xln, dense, with fracs bleeding and partly filled with shale, good odor.		
<u>Core No. 3</u>	8485' - 8505'	Cut 20'	Rec. 18'
7'	- Limestone, gray, fine xln, dense, abundant hairline fracs bleeding gas, top foot badly broken.		
1'	- Limestone, breccia, shaly.		
2'	- Limestone, gray, fine xln, dense, few hairline fracs bleeding gas.		
8'	- Limestone, gray, fine xln, dense, slightly dolomitic, fossiliferous, bottom 7' badly broken, very abundant hairline fracs bleeding gas.		
	(Whole core has good odor.)		
<u>Core No. 4</u>	8515' - 8531'	Cut & Rec. 16'	
6'	- Limestone, light gray, fine xln, dense, very few random fracs bleeding gas.		
4'	- Dolomite, gray, fine xln, fair small vuggy porosity, slightly bleeding oil.		
3'	- Dolomite, limey, gray, fine xln, very good small vuggy porosity, saturated, bleeding oil and gas, very badly fractured and rotten.		
3'	- Limestone, gray, fine xln, dense, few random fracs, bleeding gas, trace of pin point porosity.		
<u>Core No. 5</u>	8531' - 8551'	Cut 20'	Rec. 19-1/2' (Core pulled due to lost circ.)
6'	- Limestone, light-dark gray, fine xln, dense, few random fracs, slightly bleeding.		
1.5'	- Limestone, as above, badly broken, very few small vugs, bleeding.		
1'	- Limestone, gray, fine xln, dense, good small vuggy porosity, bleeding.		
3.5'	- Limestone, dark gray, fine xln, dense, very few random fracs, bleeding.		
1'	- Limestone, as above, fair vuggy porosity.		
6'	- Limestone, gray-dark gray, fine xln, dense, few random fracs, bleeding.		
.5'	- Shale, greenish gray, waxy.		
<u>Core No. 6</u>	8695' - 8730'	Cut 35'	Rec. 32'
9'	- Dolomite, gray, fine xln, fair inter-xln and fractured porosity, bleeding, few large vugs filled with calcite.		
2'	- Dolomite, gray, fine xln, dense, no fracs or porosity.		
2'	- Dolomite, gray, fine xln, few fracs and pin point porosity, bleeding.		
9'	- Limestone, dolomitic, dark gray, fine xln, dense, very few random fracs.		
10'	- Limestone, dolomitic, gray, fine xln, dense, few fracs, little pin point porosity, bleeding. Bottom 4' very badly broken.		

LOG OF OIL OR GAS WELL (ft.)

NW Lisbon USA-E No. 1

Sec. 15-30S-24E

San Juan County, Utah

Perforated 5-1/2" OD casing 8660'-8672' with 4 shots per foot. Set Packer at 8643'. Acidized above perfs with 1000 gallons 15% low tension acid. Formation broke at 2750 lbs and well went on vacuum. Swabbed well in. Well flowed at rate of 48 bbls of oil per hour, (1152 bbls per day), 1700 MCF/D, GOR 1476, corrected gravity 54.1, on 20/64" choke, TP 975.

Perforated 5-1/2" OD casing 8614'-8622' with 4 shots per foot; 8470'-8520' with 2 shots per foot. Set Retrievable Bridge plug at 8640', packer at 8570'. Acidized perfs 8614'-8622' with 1000 gallons 15% low tension acid. Formation broke at 2600 lbs and went on vacuum. Re-set Plug at 8570' and re-set packer at 8454. Acidized perfs 8470'-8520' with 7000 gallons 15% acid. Formation taking fluid at 1600 ~~max~~ lbs pressure, then broke back and went on vacuum.

Set Baker Model "R" Packer at 8450', leaving retrievable bridge plug at 8702'. Ran tubing and swabbed well in. Cleaned to pit 5 hours then turned through separator to test tank for one hour test. Produced 53.28 bbls oil, cut 5% with acid water, on 18/64" choke, gas metered at 1920 MCF/D, GOR 1501, TP 825. Shut well in to dismantle rig.

4- 5-61 - I.P. for Record: Flowed 24 hours through 25/64" choke, TP 1000 lbs, produced 1044 bbls oil, no water, gas metered at 1905 MCF/D, GOR 1825, corrected gravity 54.1.

IMPORTANT MARKERS

Hermosa	2668' (✓ 3532')
Paradox "A"	3990' (✓ 2210')
Paradox "B"	4233' (✓ 1967')
Top of Salt	4370' (✓ 1830')
Base of Salt	8284' (-2084')
Molas	8402' (-2202')
Mississippian	8448' (-2248')
Ouray	8918' (-2718')

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER USA U-015269  
UNIT \_\_\_\_\_

# LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Northwest Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1961.

Agent's address P. O. Box 265 Company The Pure Oil Company  
Moab, Utah Signed J. J. Strong

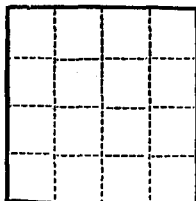
Phone Alpine 3-3581 Agent's title District Chief Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SE Sec. 15 NW Lisbon	30S	24E	1	24	13,105	55.0	19,736	-	None	Flowing
			USA-E No. 1		After acidizing, swabbed well in. Recovered 99% salt water and 1% oil. Squeezed perforations 8730' - 8740' with 150 sac regular cement at 5000#. Perforated 8660' - 8672', 4 shots per foot. Acidized perfs with 1000 gals. low tension non-emulsifying acid. Swabbed well in. Flowed at rate of 48 bbls. per hour, gas metered at 1700 MCF/D, OOR 1476. Perforated 8614' - 8622', 4 shots per foot; 8470' - 8520', 2 shots per foot. Set bridge plug at 8640', packer at 8570'. Acidized perfs 8614' - 8622' with 1000 gals. low tension non-emulsifying acid. Reset bridge plug at 8570', packer at 8454'. Acidized perforations 8470' - 8520' with 7000 gals. acid. Set Baker Model R production packer at 8450'. Ran 2-7/8" CS Hydril tubing, set in packer at 8450'. Swabbed well in. Cleaned to pit 5 hours. Rig released 4-3-61. I.P. for record 4-5-61. Flowed 24 hours, 25/64" choke, TP 1000#, produced 1044 bbls. oil, corrected gravity 54.1, no water, 1905 MCF gas, OOR 1825.					

NOTE.—There were See Form 9-361 runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor on the 6th of the succeeding month.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4  
Approval expires 12-31-60.

Land Office Salt Lake City

Lease No. USA U-015269

Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 21, 1961

**Northwest Lisbon USA-2**

Well No. 1 is located 1395 ft. from N line and 1390 ft. from E line of sec. 15

NW SE, Sec. 15  
(1/4 Sec. and Sec. No.)

30E  
(Twp.)

24E  
(Range)

S.L.M.  
(Meridian)

NW Lisbon  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 6188 ft.  
**KB elevation is 6200'.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Supplemental Report which should be attached to Sundry Notice dated April 3, 1961.

3-29-61 Set 5-1/2" OD casing at 9029'. Cemented in two stages. 1st Stage: 9029' - 8355' with 200 sack 50-50 Pozmix with 4% gel and 1/4 Haled No. 9 per sack. 2nd Stage: 8330' - 2100' (2100' is calculated top) with 1500 sack 50-50 Pozmix with 6% gel and 23.7% salt per sack.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By

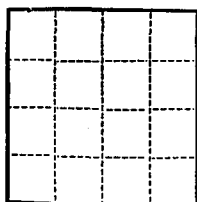
*J. B. Strong*  
**J. B. Strong**

Title

**District Chief Clerk**







(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Salt Lake City  
Lease No. USA U-015269  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 16, 1961

Northwest Lisbon USA-E

Well No. 1 is located 1395 ft. from S line and 1390 ft. from E line of sec. 15

NW SE Sec. 15  
( $\frac{1}{4}$  Sec. and Sec. No.)

30S  
(Twp.)

24E  
(Range)

S.L.M.  
(Meridian)

Northwest Lisbon  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

ground

The elevation of the ~~drill hole~~ above sea level is 6188 ft.

**KB elevation is 6200 ft.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9037' Corrected TD 5-1/2" OD casing set at 9037' rather than 9029' as reported.  
8715' PHTD

Set Baker Model R production packer at 8450', leaving retrievable bridge plug at 8702'. Ran 270 jts. of 2-7/8" GS Hydril tubing, set in packer at 8450'. Swabbed well in.

I.P. for Record: Flowed 24 hours through 25/64" choke, TP 1000#. Produced 1044 bbls. oil, no water, gas metered at 1905 MCF/D, GOR 1825. FINAL

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

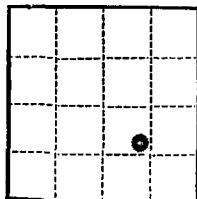
Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. H. Strong

Title District Chief Clerk



Sec. 15

(SUBMIT IN TRIPLICATE)  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. USA U-015269  
Unit Lisbon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 18, 1962

Lisbon Unit  
Well No. C-815 is located 1395 ft. from [N] line and 1390 ft. from [E] line of sec. 15  
NE SE Sec. 15 30S 21E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Lisbon San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 6188 ft.  
ED elevation 6200 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well designation changed due to unitization of Lisbon Field effective 5/1/62.

OLD DESIGNATION

Northwest Lisbon USA "E" #1

NEW DESIGNATION

Lisbon Unit #C-815

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE PURE OIL COMPANY

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By L. E. Coggan  
Title Office Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug into a different reservoir.  
Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Shut In		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1395' FSL & 1390' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-16249		9. WELL NO. C-815
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6188' GR		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☒

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9037' TD

(See details on attached well schematic.)

Drilled in 1961

Union Oil Company proposes to plug and abandon Lisbon Unit Well No. C-815 because it has no current production potential or future blow-down use.

Proposed Plan of Procedure

1. MIRU pulling unit. N.D. wellhead. N.U. BOP.
2. Release R-3 packer at 8459'. Circulate hole clean. T00H with 2-7/8" tubing and gas-lift valves and lay down tubing and valves.
3. P.U. 5-1/2" mechanical-set cement retainer on 2-7/8" workstring and TIH. Set retainer at  $\pm 8300'$ . Establish injection rate into Mississippian perforations. Squeeze Mississippian perforations with 100 sacks of cement with additives. Sting out of retainer, dumping 100 linear feet of cement on top of retainer at  $\pm 8300'$  (Plug No. 1). Circulate hole with mud laden fluid.

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct.

SIGNED

John R. Underhill

TITLE

District Drilling Supt.

DATE

8-31-88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action  
is required before commencing  
operations.

TITLE

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE

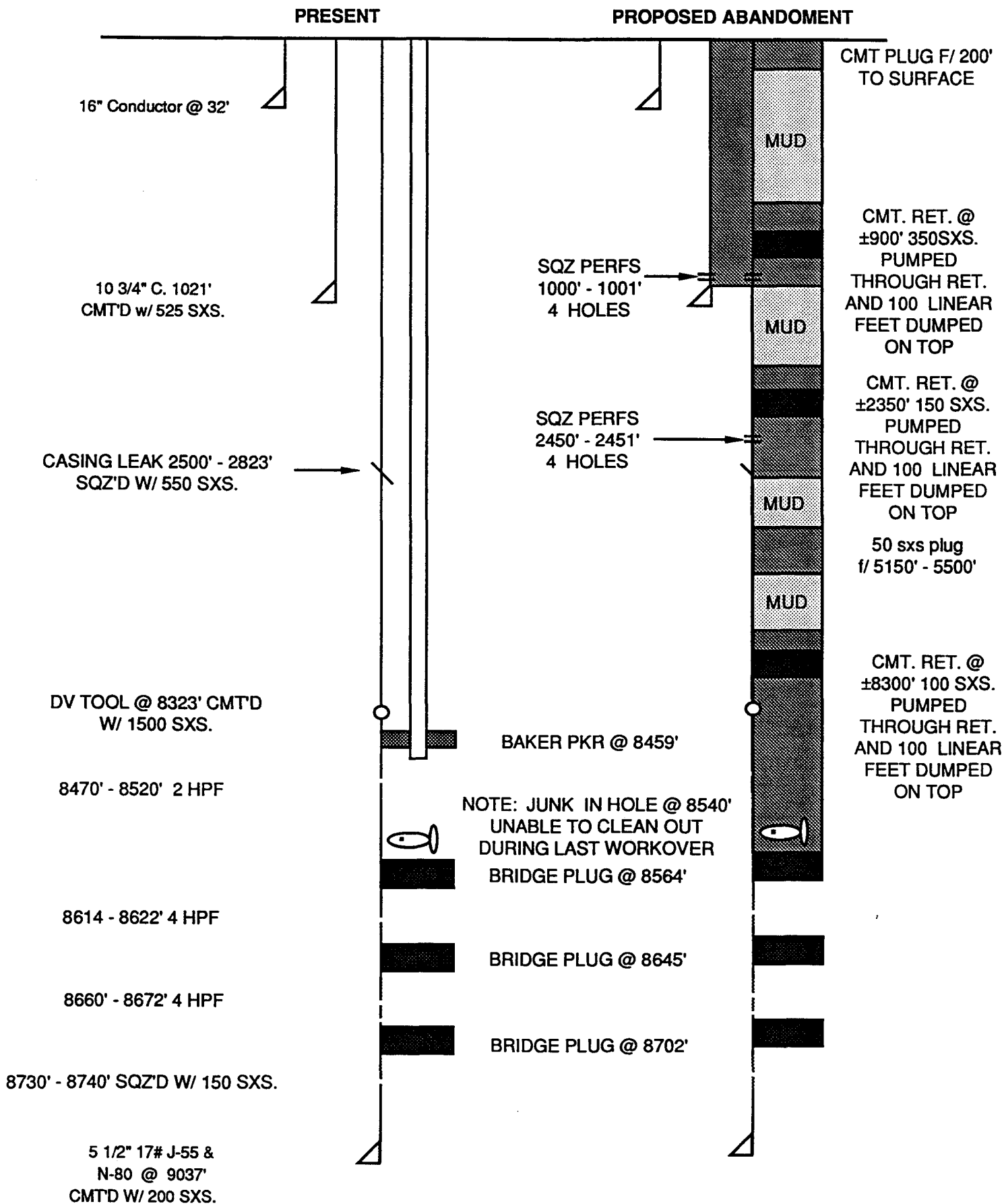
9-12-88

BY

John R. Underhill

\*See Instructions on Reverse Side

**LISBON C-815**  
**Well Schematic**



4. P.U. to 5500'. Spot 50 sacks of cement with additives from 5500' to 5150' (Plug No. 2). T00H.
5. R.U. wireline. Perforate 5-1/2" casing at  $\pm 2450-2451'$  with 4 spf.
6. P.U. 5-1/2" mechanical-set cement retainer on 2-7/8" tubing and TIH. Set retainer at  $\pm 2350'$ . Establish injection rate into squeeze holes. Squeeze perforations  $\pm 2450-2451'$  with 150 sacks of cement with additives. Sting out of retainer, dumping 100 linear feet of cement on top of retainer at  $\pm 2350'$  (Plug No. 3). P00H.
7. R.U. wireline. Perforate 5-1/2" and 10-3/4" casing at  $\pm 1000-1001'$  with 4 spf.
8. P.U. 5-1/2" mechanical-set cement retainer on 2-7/8" tubing and TIH. Set cement retainer at  $\pm 900'$ . Establish injection rate. Pump 350 sacks of cement with additives. Sting out of retainer, dumping 100 linear feet of cement on top of retainer at  $\pm 900'$  (Plug No. 4). (Note: If cement is circulated out 5-1/2" x 10-3/4" annulus, go to Step 10. If cement is not circulated out 5-1/2" x 10-3/4" annulus, go to Step 9.)
9. If cement is not circulated out 5-1/2" x 10-3/4" annulus, R.U. wireline and perforate 5-1/2" casing at  $\pm 200-201'$  with 4 spf. RIH with mechanical-set cement retainer on 2-7/8" tubing. Set retainer at  $\pm 150'$ . Pump 50 sacks of cement with additives. Sting out of retainer and dump 150 linear feet of cement from 150' to surface (Plug No. 5).
10. If cement does circulate out 5-1/2" x 10-3/4" annulus, P.U. to 200' and spot 30 sacks of cement from 200' to surface.
11. Cut off casing, weld on dry hole marker, and clean up location.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

10

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P&A	7. UNIT AGREEMENT NAME Lisbon Unit
2. NAME OF OPERATOR Union Oil Company of California	8. FARM OR LEASE NAME Lisbon Unit
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620	9. WELL NO. C-815
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 1395' FSL & 1390' FEL (NW SE)	10. FIELD AND POOL, OR WILDCAT Lisbon
14. PERMIT NO. API No. 43-037-16249	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6188' GR	12. COUNTY OR PARISH San Juan
	13. STATE Utah

RECEIVED  
JAN 26 1989

DIVISION OF  
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9037' TD

MIRU pulling unit on 1-14-89. N.D. tree. N.U. BOP and tested to 1500 psi, O.K. Pulled packer loose. Pumped 100 bbls. water down tubing to keep well dead. POOH with production string. RIH and set cement retainer at 8291'. Rolled hole with 135 bbls. mud-laden fluid. Stung into retainer. Established injection rate of 2-1/2 bpm at 300 psi. Pumped 100 sacks of cement at 500-2000 psi. Stung out of retainer. Put 10 sacks of cement on top of retainer (Plug No. 1). Pumped 150 sacks of cement from 5500-5150' (Plug No. 2). Perforated from 2450-2451' with 4 spf. Set cement retainer at 2350'. Pumped 150 sacks of cement, leaving 100' on top of retainer (Plug No. 3). Perforated from 1000-1001' with 4 spf. Set cement retainer at 900'. Could not pump into 10-3/4" x 5-1/2" annulus. Pumped 20 sacks of cement on top of retainer (Plug No. 4). Perfed at 450' and pumped 200 sacks of cement down 5-1/2" casing and up 5-1/2" x 10-3/4" annulus (Plug No. 5). Had cement to surface. Rigged down and released rig at 5:30 p.m., 1-16-89. Cut off wellhead. Installed dry hole marker. Well plugged and abandoned on 1-17-89.

Note: A sundry notice will be submitted as soon as the location is ready for final inspection.

18. I hereby certify that the foregoing is true and correct.

SIGNED

John R. Underhill

TITLE District Drilling Supt.

DATE 1-18-89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

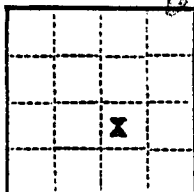
\*See Instructions on Reverse Side

43-037-16249

Form 9-593  
(April 1952)

RECEIVED

REVISED  
UNITED STATES



JUN 23 1961  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
CONSERVATION DIVISION  
DIVISION OF  
OIL GAS & MINING  
INDIVIDUAL WELL RECORD

Sec. 15

T. 30 S

R. 24 E

S.L. Mer.

137-16249

Ref. No.

PUBLIC LAND:

Date May 15, 1968

Land office Utah State Utah

Serial No. 015269 County San Juan

Lessee Union Oil Co. of Cal. Field Lisbon

Operator Union Oil Co. of Cal. District Durango MOAB

Well No. C-815 Lisbon Unit Subdivision NW 1/4 SE 1/4  
(formerly #1 NW Lisbon "E")

Location 1395 feet from south and 1390 feet from east lines of section

Drilling approved Feb. 1, 1961 Well elevation 6188 gl feet

Drilling commenced Jan. 31, 1961 Total depth 9037 FE 8715 feet

Drilling ceased Mar. 27, 1961 Initial production Flow. 1044 BOPD on 25/64'  
NOI to ABANDON SEPTEMBER 19, 88 choke

Completed for production Apr. 5, 1961 Gravity A. P. I. 54.1°

Abandonment approved AUG 14 1989 Initial R. P. FTP - 1000 psi

Geologic Formations FAV APPROVAL 6/17/92 Productive Horizons

Surface Navajo Lowest tested Devonian (Ogury) Name Miss. Depths 8470-8672 Contents Oil

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1961	DEC			POW								
1985					5/85 Monthly Reports CSI							
1988									7/19/88 DOI			
1989								SRH APPROVED 8/14/89				
1992						FAV Approval						

REMARKS	Topo: <u>Hermosa</u>	<u>2668'</u>	<u>E.L.</u>	<u>Miss.</u>	<u>8448'</u>	<u>E.L.</u>
	<u>Paradox A</u>	<u>3990'</u>	<u>"</u>	<u>Ogury</u>	<u>8918'</u>	<u>"</u>
	<u>Paradox B</u>	<u>4233'</u>	<u>"</u>			
	<u>Salt top</u>	<u>4370'</u>	<u>"</u>			
	<u>Salt base</u>	<u>8284'</u>	<u>"</u>			
	<u>Molas</u>	<u>8402'</u>	<u>"</u>			

IWK U-922